

ABSTRACT OF THE DISCLOSURE

When a special color, which is a color other than the vertexes of the RGB cube during the generation of a color separation table, is used as an ink color, the invention sets a grid point for the special color on a side connecting cube vertexes. Then it becomes possible, by determining in advance grid point data based on a color measurement on the line including the grid point of the special color, to prepare a color conversion table having a uniform grid point density in the uniform color space even when a special color other than red, green and blue is used.